

INTERNATIONAL SEARCH REPORT

International application No. PCT/KR2003/002704

A. CLASSIFICATION OF SUBJECT MATTER			
IPC7 C12N 1/20			
According to International Patent Classification (IPC) or to both national classification and IPC			
B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols)			
IPC7 C12N 1/20			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched			
Korean patents and applications for inventions since 1975			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)			
CA, PubMed, Delphion, KIPASS,			
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.
A	JP 12-295996 A (TAKANOYUTAKA) 24 OCTOB	ER 2000	1-2
	See the whole documents		
A	Fujio T et al, "High level expression of XMP aminase in E.coli its application for the industrial production of 5'-guanylic acid" Biosci Biotechnol Biochem. 1997 May;61(5):840-5		
	See the abstract	siocnem. 1997 May;61(3):840-5	
A	KR 02-57470 A (CJ CORP.) 11 JULY 2002		1-2
l	See the abstract	•	1-2
A	KR 02-57472 A (CJ CORP.) 11 JULY 2002		1-2
	See the abstract	i	1-2
A	KR 01-89980 A (CJ CORP.) 01 OCTOBER 2001		1-2
	See the abstract		
A	JP 59-078687 A (KYOWA HAKO KOGYO Co., LTD)		1-2
	See the abstract		
	documents are listed in the continuation of Box C.	See patent family annex.	
 Special categories of cited documents: "T" inter document published after the international filling date or priority date and not in conflict with the application but cited to understand. 			
to be of pa	of particular relevance the principle or theory underlying the invention		
filing date	ing date considered novel or cannot be considered to involve an in		invention cannot be involve an inventive
"L" document cited to es	rument which may throw doubts on priority claim(s) or which is step when the document is taken alone "Y" document of particular relevance; the elaimed invention cannot be		
special reason (as specified) considered to involve an inventive step whe			en the document is
means	means being obvious to a person skilled in the art		
"P" document published prior to the international filing date but later "&" document member of the same patent family than the priority date claimed			
Date of the actual completion of the international search D		Date of mailing of the international search report	
30 MARCH 2004 (30.03.2004)		30 MARCH 2004 (30.03.2004)	
		Authorized officer	
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